

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney Docket No. 5649-483

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHODS OF FORMING INTEGRATED CIRCUIT CAPACITORS HAVING IMPROVED ELECTRODE AND DIELECTRIC LAYER CHARACTERISTICS AND CAPACITORS FORMED THEREBY**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

97-14833	Korea	04/22/1997	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
97-23381	Korea	06/05/1997	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
97-35460	Korea	07/28/1997	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
97-48930	Korea	09/26/1997	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
97-16812	Korea	04/30/97	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed

## ENGLISH LANGUAGE DECLARATION CONTINUED

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

None	
Application Number(s)	Filing Date (MM/DD/YYYY)

Application Number(s)	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application (37 C.F.R. § 1.63(d)).

None		
Appln. Serial No.	Filing Date	Status Patented/Pending/Abandoned

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## ENGLISH LANGUAGE DECLARATION CONTINUED

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Charles R. Donohoe  
Registration No. 24,546

Allen LeRoy Limberg  
Registration No. 27,211

Neil A. Steinberg  
Registration No. 34,735

William L. Geary, Jr.  
Registration No. 35,879

Douglas A. Lashmit  
Registration No. 28,871

I hereby authorize the above-named attorneys to accept and follow instructions from my Korean or United States representatives, Samsung Electronics, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the above-named attorneys and myself. In the event of a change in the persons from whom instructions may be taken, I will notify the above-named attorneys.

Send correspondence to:

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Myers Bigel Sibley & Sajovec, P.A.  
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Full name of first inventor:

Seung-Hwan Lee

Inventor's

Signature: SEUNG-HWAN LEE Date: 18 April 1998

Residence:

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Citizenship:

Republic of Korea

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Seoul, Republic of Korea

## ENGLISH LANGUAGE DECLARATION CONTINUED

Full name of second inventor: Sang-Hyeop Lee

Inventor's  
Signature: Sang-Hyeop Lee Date: 18 April 1998

Residence: Seoul, Republic of Korea

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Post Office Address: 19, Jamsil-Dong, SongPa-Gu  
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Full name of third inventor: Young-Sun Kim

Inventor's  
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Full name of fourth inventor: Se-Jin Shim

Inventor's  
Signature: SE-JIN SHIM Date: 18 April 1998

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Full name of fifth inventor: You-Chan Jin

Inventor's  
Signature: You-chan Jin Date: 18 April 1998

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## ENGLISH LANGUAGE DECLARATION CONTINUED

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Inventor's  
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Inventor's Signature: JIN-SEOK CHOI Date: 18 April 1998

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Citizenship: Republic of Korea

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Full name of eighth inventor: Young-Min Kim

Inventor's Signature: Young- Min Kim Date: 18 April 1998

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Full name of ninth inventor: Kyung-Hoon Kim

Inventor's  
Signature: Kyungsoon Kim Date: 18 April 1998

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## ENGLISH LANGUAGE DECLARATION CONTINUED

Full name of tenth inventor: Kab-Jin Nam

Inventor's  
Signature: Kab-Jin Nam Date: 18 April 1998

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Full name of eleventh inventor: Young-Wook Park

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Citizenship: Republic of Korea

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Full name of twelfth inventor: Seok-Jun WON

Inventor's  
Signature: Seok-Jun, WON Date: 18 April 1998

Residence: Seoul, Republic of Korea

Citizenship: Republic of Korea

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Full name of thirteenth inventor: Young-Dae KIM

Inventor's  
Signature: Young-Dae KIM Date: 18 April 1998

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Citizenship: Republic of Korea

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Suwon-city, Kyungki-do, Republic of Korea

Attorney's Docket No. 5649-483

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Seung-Hwan Lee et al.

Serial No.: 09/036,356

Group Art Unit: 2814

Filed: March 6, 1998

For: **METHODS OF FORMING INTEGRATED CIRCUIT CAPACITORS  
HAVING IMPROVED ELECTRODE AND DIELECTRIC LAYER  
CHARACTERISTICS AND CAPACITORS FORMED THEREBY**

August 10, 1998

Assistant Commissioner for Patents  
Washington, DC 20231

ASSOCIATE POWER OF ATTORNEY

Sir:

The undersigned attorney of record in this case hereby appoints the below named persons, individually and collectively, as associate attorneys to prosecute this patent application and to transact all business in the United States Patent and Trademark Office connected therewith and the resulting patent:

Mitchell S. Bigel  
Registration No. 29,614

Grant J. Scott  
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Unless and until otherwise directed, please send all correspondence about this application and the resulting patent to :

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Raleigh, NC 27627

Please direct all telephone calls about this application and the resulting patent to:

Mitchell S. Bigel  
Telephone: 919/854-1400  
Facsimile: 919/854-1401

The above-appointed associate attorneys are hereby authorized to act and rely on instructions from and communicate directly with the assignee of records and with such patent agent/attorney liaison, individual or firm, selected by the assignee, as may represent themselves to the associate attorneys as having been so appointed, unless and until I instruct the associate attorneys in writing to the contrary.

*Douglas A. Lashmit*

Charles R. Donohoe	24,546
Neil A. Steinberg	34,735
William L. Geary, Jr.	35,879
Douglas A. Lashmit	28,871
Allen LeRoy Limberg	27,211
SAMSUNG ELECTRONICS CO., LTD.	

Date: